



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor: Richard M. Ehrlich

Appln. No.: 10/665,264

Confirm. No.: 5462

Filed: September 18, 2003

Title: SYSTEMS FOR LIMITING CHANNEL  
CONTROL VALUES TO THEREBY  
IMPROVE SERVO-DEMODULATION  
ROBUSTNESS

PATENT APPLICATION

Art Unit: 2651

Examiner: Natalia Figueroa

Atty. Docket No.: PANA-01046USC

(PANAP-01046USC)

Customer No. 23910

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on the date shown below.

Mathew Otts (Signature)  
Mathew Otts  
Signature Date: May 11, 2005.

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

***Enclosed with this statement are the following:***

- X Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- X In accordance with 37 C.F.R. §1.98, copies of cited U.S. patents and publications are not enclosed.
- X A copy of each cited non U.S. patent document as required by 37 C.F.R. §1.98, except for those documents previously submitted by the applicant or cited by the patent office in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an information disclosure statement submitted in the parent application which complies with the Sept. 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written

English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

***This statement should be considered because:***

— 37 C.F.R. §1.97(b). This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);  
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;  
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,  
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

X 37 C.F.R. §1.97(c). Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL office action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.

-- AND (check at least one of the following) --

- (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).  
-- OR --
- X (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

X **Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 06-1325.

Respectfully submitted,

Date: May 11, 2005

By: Jeffrey R. Kurin  
Jeffrey R. Kurin  
Reg. No. 41,132

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**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

(Use several sheets if necessary)

Applicant

Richard M. Ehrlich

Filing Date

September 18, 2003

Group Art Unit

2651

**U.S. PATENTS**

Examiner Initial		Patent Number	Issue Date	Name	Class	Subclass	Filing Date
	1.	4,271,519	6/2/1981	Hall			
	2.	6,122,131	9/19/2000	Jeppson			
	3.	6,155, 199	12/5/2000	Chen et al.			
	4.	6,181,505	1/30/2001	Sacks et al.			
	5.	6,392,831	5/21/2002	Yeo et al.			
	6.	6,483,789	11/19/2002	Kubota et al.			
	7.	6,545,836	4/8/2003	Ioannou			
	8.	6,594,103	7/15/2003	Despain			
	9.	6,754,019	6/22/2004	Tokizono et al.			
	10.	6,680,807	1/20/2004	She et al.			
	11.	6,760,173	7/6/2004	Kuki et al.			

**U.S. PATENT PUBLICATIONS**

Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
	12.	2003/0026363 A1	2/6/2003	Stoter et al.
	13.	2003/0026017 A1	2/6/2003	Chong et al.
	14.	2004/0125479 A1	7/1/2004	Ehrlich
	15.	2004/0125481 A1	7/1/2004	Ehrlich
	16.	2004/0125482 A1	7/1/2004	Ehrlich
	17.	2004/0125483 A1	7/1/2004	Ehrlich
	18.	2004/0125484 A1	7/1/2004	Ehrlich
	19.	2004/0125485 A1	7/1/2004	Ehrlich
	20.	2005/0013026 A1	1/20/2005	Ehrlich
	21.	2005/0013027 A1	1/20/2005	Ehrlich

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*1 = Copy not submitted because it was submitted in prior application SN \_\_\_\_\_, filed \_\_\_\_\_, 20\_\_\_\_, relied on under 35 USC §120.

\*2 = Copy not submitted because it was submitted in prior application SN \_\_\_\_\_, filed \_\_\_\_\_, 20\_\_\_\_, relied on under 35 USC §120.

<b>FORM PTO-1449</b> (Substitute) <b>INFORMATION DISCLOSURE CITATION BY APPLICANT</b> (Use several sheets if necessary)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number <b>PANAP-01046USC</b>	Serial No. <b>10/665,264</b>
	Applicant <b>Richard M. Ehrlich</b>			
	Filing Date <b>September 18, 2003</b>		Group Art Unit <b>2651</b>	

22.	2005/0013030 A1	1/20/2005	Ehrlich
23.	2005/0013031 A1	1/20/2005	Ehrlich

### PENDING U.S. PATENT APPLICATIONS

Examiner Initial	Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes   No

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country	Class	Subclass	Translation Yes   No

### OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)


EXAMINER	DATE CONSIDERED
EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
*1 = Copy not submitted because it was submitted in prior application SN _____ / _____, filed _____, 20____, relied on under 35 USC §120.	
*2 = Copy not submitted because it was submitted in prior application SN _____ / _____, filed _____, 20____, relied on under 35 USC §120.	

MAY 13 2005

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$180.00)**Complete if Known**

Application Number	10/665,264
Filing Date	September 18, 2003
First Named Inventor	Richard M. Ehrlich
Examiner Name	Figueroa, N.
Art Unit	2651
Attorney Docket No.	PANA-01046USC

**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 06-1325 Deposit Account Name: 23910 - Fliesler Meyer LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP = _____ x _____ = _____						
HP = highest number of total claims paid for, if greater than 20						
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
- 3 or HP = _____ x _____ = _____						
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement**Fees Paid (\$)**180.00**SUBMITTED BY**

Signature	<u>Jeffrey R. Kurin</u>	Registration No. (Attorney/Agent)	<u>41.132</u>	Telephone
Name (Print/Type)	<u>Jeffrey R. Kurin</u>			Date <u>May 11, 2005</u>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Attorney Docket No.: PANAP-01046USC